# A Step by Step MANAGEMENT GUIDE

showing how many manufacturers INCREASE PRODUCTION 200% to 500% with decreased labor costs

NUMERICALLY CONTROLLED MACHINE TOOLS

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## NUMERICALLY CONTROLLED MACHINE TOOLS

The entire concept of manufacturing strategy is being changed — by the same techniques which guide satellites and missiles — the control of machines through electronic methods.

Already many complete numerically controlled plants are operating. Others are being built. According to a recent survey, included in this book, within five years 75% of all new machine tools may be electronically controlled! Because of the high costs involved and the need for sophisticated planning for the new concepts, many small and medium metal-

working companies will probably be forced into mergers or out of business.

This means that unless you act now you may some morning read headlines which will tell you that your competition

outproduces you 2 to 1
 and at the same time
 cuts his costs 25% to 50%.

These are realities — here — now — today. This book can give you the insight needed to plan effectively while there is time.

CAUSING A REVOLUTION IN INDUSTRIAL MANUFACTURING

## NUMERICALLY CONTROLLED MACHINE TOOLS

Every significant machine tool builder has one or more Numerically Controlled Machine Tools • in the planning stage • being tested • under wraps, or • ready to market.

For your plant . . . Numerically Controlled Machine Tools will —

- ... Increase profits.
- ...Lower costs of labor, materials, inventories, overhead, administration, plant space, fringe benefits, recruitment, training, labor negotiations, machines.
- ... Improve production, machining accuracy, production methods, safety records, quality control, product design, machine performance standards.
- . . . Reduce factory space, machining time, total equipment, setup time, maintenance, lead time, inventories, inspection, capital requirements, market risk, inventory losses due to engineering changes, personnel facilities, raw material storage, machine space, finished inventories, amortization time.
- Eliminate blueprints, costly templates, process sheets, detailed drawings.

. . . Change

 manufacturing and marketing strategy, vendor and subcontractor relationships, market research, accounting, research and development.

What about the implications for your particular business? What about your productivity and costs, your profits, your very job?

Written in management terms, NUMERICALLY CONTROLLED MACHINE TOOLS gives you full information about the effects of NCMT on:

- Productivity
  Profits
  Product Pricing
  Cost Controls
- Long-Range Planning
  Manufacturing, Management and Marketing
  Strategy
  Organizational Structure
  Management Decisions

This penetrating report on NCMT reveals that:

- there are more than 60 specific advantages in using NCMT.
- management **must examine** its thinking, planning and organizing strategies to meet the challenge of competition using NCMT.
- management **will change** its concept of manufacturing from management of men to management of machines.

NUMERICALLY CONTROLLED MACHINE TOOLS tells you what you need to know — from the **management** standpoint. It tells you what to do to meet the challenge of your competition.

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#### ABOUT THE AUTHORS

H. CLIFTON MORSE, President of Wyatt & Morse, Inc., Management Consultants, is the co-author with E. E. Wyatt of the widely acclaimed Cost Reduction Guide — for Manufacturing Management, and an exponent of "autofacturing". He is acknowledged as an authority on the impact of automation on organization functions.





DAVID M. COX is a consultant. As senior partner in Cox & Cox he has served International Harvester, General Electric, Sears Roebuck, the Boating Industry Association, and many others. His latest project, supported by a subsidiary of the Ford Foundation, deals with the implications of recent innovations in education.

FOREWORD BY W. E. BRAINARD, DIRECTOR OF TECHNICAL ENGINEERING, KEARNEY & TRECKER CORP., NOTED AUTHORITY ON NCMT.

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